

Converting Colors

CIE LCh(90, 2.032, 279.040)

Have a look what the booklet for
CIELCh(90, 2.032, 279.040) contains.

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Color

CIELCh(90, 2.112, 280.731)

Conversions

Conversions Part 1

Format	Color
Hex	E1E2E6
RGB	225, 226, 230
RGB Percent	88%, 89%, 90%
CMY	0.1167, 0.1127, 0.0970
CMYK	0.02, 0.02, 0.00, 0.10
HSL	228°, 9%, 89%
HSV	228°, 2%, 90%
XYZ	72.7115, 76.3034, 85.9436
YIQ	226.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

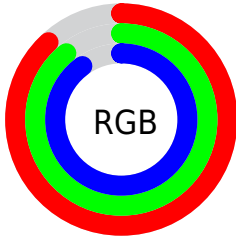
Format	Color
R_{YB}	225, 226, 230
Decimal	14803686
CIE Lab	90.00, 0.39, -2.08
CIE LCh	90, 2.112, 280.731
Yxy	76.3034, 0.3095, 0.3248
Android (android.graphics.Color)	4292993766 (0xFFE1E2E6)
YUV	226.1570, 1.8946, -1.0147
Hunter-Lab	87.3518, -4.2826, 2.8121

Details

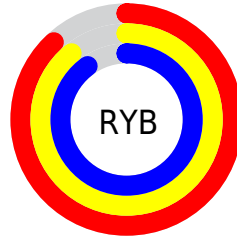
The CIELCh color **90, 2.112, 280.731** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **91, 2.085, 100.030**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 2.222, 280.786** is the 20% darker color. If you saturate the color by 10%, you get **84, 11.947, 281.866**, and if you desaturate by 10%, it is **96, 7.451, 99.507**.

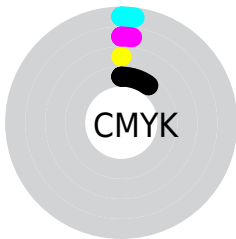
Distribution



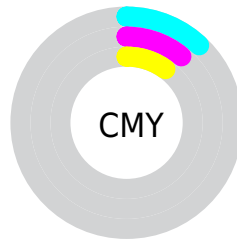
- Red (88%)
- Green (89%)
- Blue (90%)



- Red (88%)
- Yellow (89%)
- Blue (90%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (12%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 2.112, 280.731 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 2.112, 280.731 by changing the saturation by 10% instead.

■ 90, 2.112, 280.731

■ 90, 2.112, 280.731

100, 2.112,
280.731

■ 80, 2.112, 280.731

■ 70, 2.112, 280.731

■ 60, 2.112, 280.731

■ 50, 2.112, 280.731

■ 40, 2.112, 280.731

■ 30, 2.112, 280.731

■ 20, 2.112, 280.731

■ 10, 2.112, 280.731

■ 0, 2.112, 280.731

90, 2.112, 280.731

90, 2.112, 280.731

84, 11.947,
281.866

96, 7.451, 99.507

77, 22.079,
283.318

99, 12.525,
109.231

71, 32.532,
285.023

64, 43.336,
287.016

58, 54.526,
289.324

52, 66.114,
291.950

46, 78.040,
294.841

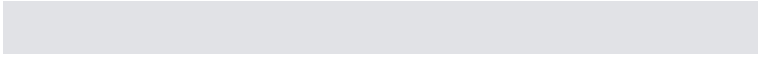
41, 90.056,
297.863

■ 36,101.554,
300.786

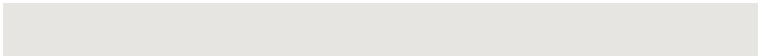
Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



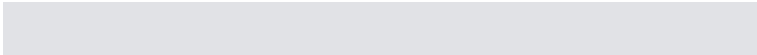
90, 2.112, 280.731



91, 2.085, 100.030

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



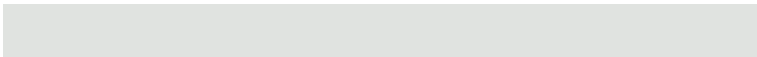
90, 2.112, 280.731



90, 2.112, 330.731



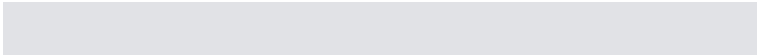
90, 2.112, 100.731



90, 2.112, 150.731

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90, 2.110, 280.686



99, 1.060, 280.648



91, 1.864, 182.094



53, 0.603, 280.652



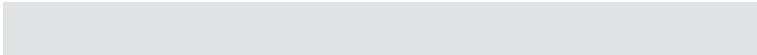
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 2.110, 280.686



98, 3.165, 280.761



90, 2.663, 301.283



47, 2.201, 280.839



25, 89.288, 302.350



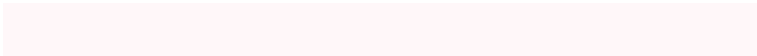
4, 29.038, 292.410

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



90, 1.875, 3.086



98, 2.818, 3.248



91, 2.632, 121.066



47, 1.963, 3.363



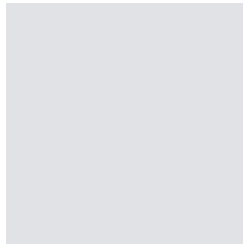
37, 70.982, 29.247



7, 26.667, 13.382

Previews

White Background



This preview shows how the CIELCh color 90, 2.112, 280.731 looks on a white background.

Color Contrast Check

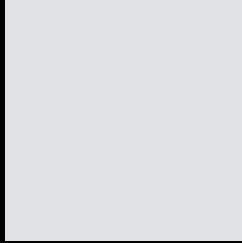
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 2.112, 280.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

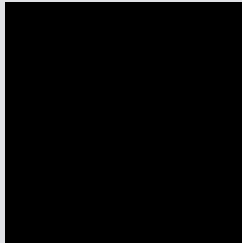
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

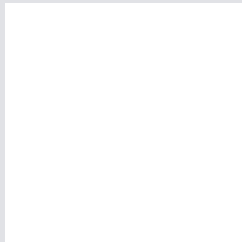
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 2.112, 280.731

Background



This preview shows how black text looks on a background with the CIELCh color 90, 2.112, 280.731.

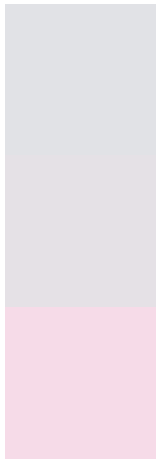


This preview shows how white text looks on a background with the CIELCh color 90, 2.112, 280.731.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
90, 2.112, 280.731

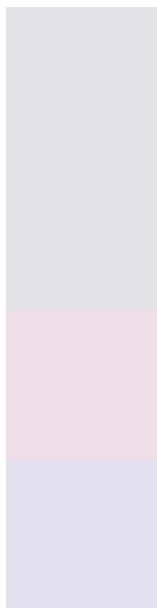
Protanopia
90, 2.986, 318.830

Deuteranopia
90, 11.843, 345.569



Tritanopia
90, 9.443, 297.265

Trichromacy



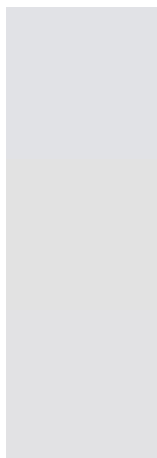
Original Color
90, 2.112, 280.731

Protanomaly
90, 2.830, 312.514

Deuteranomaly
90, 7.425, 340.898

Tritanomaly
90, 6.780, 293.686

Monochromacy



Original Color
90, 2.112, 280.731

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.049, 290.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 2.112, 280.731 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(225, 226, 230)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 226, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 2.112, 280.731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 226, 230) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 226, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(225, 226, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 230);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 2.112, 280.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
226, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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